

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s)** : John H. Norris and Thomas L. Russell, Jr.

**Serial No.** : TBA  
(Rule 53(b) Continuation of  
Parent Serial No.: 08/997,018) Examiner: TBA

**Filed** : Concurrently Herewith Group Art Unit: TBA  
(Parent filed December 23, 1997)

**For** : CALL WAITING FEATURE FOR A TELEPHONE LINE CONNECTED  
TO THE INTERNET

**PRELIMINARY AMENDMENT**

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Prior to calculation of the filing fee and examination on the merits, please amend the above-identified application as follows:

**In The Claims:**

1. (Amended) A method of processing a telephone call from a calling station to a called station that is busy as a result of having established a connection to a data network via an enhanced telephone switching system of the public switched network, said enhanced telephone switching system including a switching capability, a data network access capability for establishing

said connection from said called station to said data network, and a call notification capability for alerting a subscriber at said called station to receipt of said call from said calling station via said connection to said data network, said method comprising the steps of

receiving said call at said enhanced telephone switching system and, responsive to said called station being busy, said enhanced telephone switching system sending a message to said called station via said connection to said data network to alert said subscriber at said called station to the receipt of said call, and

said enhanced telephone switching system connecting said calling station to said called station via said connection to said data network so that a caller at said calling station may communicate with said subscriber at said called station.

15. (Amended) A method of processing a call waiting feature for a first telephone station set whose telephone line is connected to the Internet comprising the steps of

responsive to receiving at an enhanced telephone switching system of the public switched network, an initial call from said first telephone station, extending a connection from said first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station, and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second telephone station with the connection between said Internet and said first telephone station so that a caller at said second telephone station may communicate with said subscriber at said first telephone station,

wherein said enhanced telephone switching system includes a switching capability, an Internet access capability for extending said connection from said first telephone station to said Internet, and a voice call notification capability for alerting said subscriber at said first telephone station to receipt of said voice call from said second telephone station via said connection to said Internet.

26. (Amended) A method of processing a three-way calling feature for a first telephone station set whose telephone line is connected to the Internet, comprising the steps of

responsive to receiving at an enhanced telephone switching system of the public switched network an initial call from said first telephone station, extending a connection from said first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to the receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second

telephone station to the connection between said Internet and said first telephone station so that a caller at said second telephone station may communicate with said subscriber at said first telephone station, then

responsive to receiving at said enhanced telephone switching system a voice call from a third telephone station directed to said first telephone station while said first telephone station is connected to said second telephone station, said enhanced telephone switching system bridging connections to said second telephone station and said third telephone station to a three-way conference circuit, and said enhanced telephone switching system bridging said three-way conference circuit to the connection between said Internet and said first telephone station,

wherein said enhanced telephone switching system includes a switching capability, an Internet access capability for extending said connection from said first telephone station to said Internet, and a voice call notification capability for alerting said subscriber at said first telephone station to receipt of said voice call from said second telephone station via said connection to said Internet.

### REMARKS

Claims 1-27 are pending in this application. By this amendment, applicants have amended claims 1, 15 and 26. A clean copy of the amended claims appears above. A marked-up copy of the amended claims showing deletions and additions using brackets and underlining, respectively, is attached hereto. An early and favorable examination on the merits is respectfully requested.

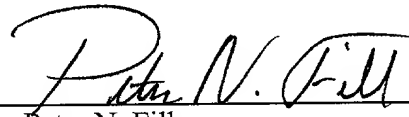
The Commissioner is hereby authorized to charge any additional fees which may

be required for this amendment, or credit any overpayment to Deposit Account No. 13-4500,  
Order No. 2455-4501US1. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

MORGAN & FINNEGAN, L.L.P.

Dated: November 26, 2001

By:   
Peter N. Fill  
Reg. No. 38,876

Mailing Address:

AT&T Corporation  
P.O. Box 4110  
Middletown, New Jersey 07748

**ATTACHMENT**

1. (Amended) A method of processing a telephone call from a calling station to a called station that is busy as a result of having established a connection to a data network via an enhanced telephone switching system of the public switched network, said enhanced telephone switching system including a switching capability, a data network access capability for establishing said connection from said called station to said data network, and a call notification capability for alerting a subscriber at said called station to receipt of said call from said calling station via said connection to said data network, said method comprising the steps of

receiving said call at said enhanced telephone switching system and, responsive to said called station being busy, said enhanced telephone switching system sending a message to said called station via said connection to said data network to alert [a] said subscriber at said called station to the receipt of said call, and

said enhanced telephone switching system connecting said calling station to said called station via said connection to said data network so that a caller at said calling station may communicate with [a] said subscriber at said called station.

15. (Amended) A method of processing a call waiting feature for a first telephone station set whose telephone line is connected to the Internet comprising the steps of

responsive to receiving at an enhanced telephone switching system of the public switched network, an initial call from said first telephone station, extending a connection from said

first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station, and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second telephone station with the connection between said Internet and said first telephone station so that a caller at said second telephone station may communicate with said subscriber at said first telephone station,

wherein said enhanced telephone switching system includes a switching capability, an Internet access capability for extending said connection from said first telephone station to said Internet, and a voice call notification capability for alerting said subscriber at said first telephone station to receipt of said voice call from said second telephone station via said connection to said Internet.

26. (Amended) A method of processing a three-way calling feature for a first telephone station set whose telephone line is connected to the Internet, comprising the steps of

responsive to receiving at an enhanced telephone switching system of the public switched network an initial call from said first telephone station, extending a connection from said first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to the receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second telephone station to the connection between said Internet and said first telephone station so that a caller at said second telephone station may communicate with said subscriber at said first telephone station, then

responsive to receiving at said enhanced telephone switching system a voice call from a third telephone station directed to said first telephone station while said first telephone station is connected to said second telephone station, said enhanced telephone switching system bridging connections to said second telephone station and said third telephone station to a three-way conference circuit, and said enhanced telephone switching system bridging said three-way conference circuit to the connection between said Internet and said first telephone station,

wherein said enhanced telephone switching system includes a switching capability, an Internet access capability for extending said connection from said first telephone station to said Internet, and a voice call notification capability for alerting said subscriber at said first telephone station to receipt of said voice call from said second telephone station via said connection to said Internet.